

1981 INDUSTRIAL WASTE SURVEY

RECEIVED

FEB 17 1981

OHIO ENVIRONMENTAL PROTECTION AGENCY
SOUTHEAST DISTRICT

A. Company Information

1. Company Name:

AMERICAN CYANAMID COMPANY

2. Company Address:

1405 Greene Street, Marietta, Ohio 45750

3. County in which company located: Washington

4. Name of person responding to survey: R. F. Bann

Telephone: (614) 374-7171

B. Description of wastes currently produced:

<u>waste name</u>	<u>quantity generated</u> (per year)	<u>solid, sludge</u> <u>liquid, hazardous</u>	<u>on-or</u> <u>off-site</u> <u>disposal</u>	<u>method (pit,</u> <u>incinerator,</u> <u>landfill</u>
Liquid Effluent	80,000,000 Gal.	Liquid	Sewer (POTW)	Neutralization and settling.

See Attached list. All amounts are approximate.

C. Off-site: Give haulers name and address, and site of ultimate disposal, for each of the above listed wastes.

All items above except 597-1, 2, 4, 7; 691-3; 696-2; 692-5; and all recycle items go to Waste Management TSDF in Emelle, Ala. EPA No. ALT000622464.

Hauler is Frontier Chemical Waste Process, Inc., 4626 Royal Ave., Niagara Falls, NY 14303. EPA No. NYD043815703.

597-1, 2, 7; 692-5 Hauled by Company truck to Cyanamid, Willow Island, W. Va. for incineration.

D. Closed sites: Give waste descriptions and approximate quantities for any wastes previously disposed in a now closed or inactive on-site facility. Give dates site used and closed.

See Attached.

E. If you were unable to answer any above questions because the information is considered confidential by your company, indicate this here and we will contact you personally.

US EPA RECORDS CENTER REGION 5



407899

DESCRIPTION OF WASTES CURRENTLY PRODUCED

FEB 17 1971

Assigned Number of Waste	Name of Waste	Quantity Generated (per year)	OHIO ENVIRONMENTAL PROTECTION AGENCY SOUTHEAST DISTRICT Description	On/Off Site Disposal	Method of Disposal
597-1	Waste Oils*	10 x 55 gal.	Liquid		*
597-2	Paint Wastes	1 x 55 gal.	Hazardous Liquid (ignitable)	Off	Incinerate
597-3	General Trash con- taining hazardous materials	5,000 lb.	Hazardous Solid (corrosive, toxic, listed items)	Off	Chemical Landfill
597-4	General Trash - non-hazardous	65,000 lb.	Solid	Off	Local Sanitary Landfill
597-6	(Reserved for) PCB Waste	Variable (0 - 5,000 lb.)	Hazardous Liquid	Off	Approved Disposal Site
597-7	Waste Solvent* (Maintenance)	2 x 55 gal.	Liquid	Off	*
597-8	Asbestos Insula- tion	2,000 lb.	Hazardous Solid (listed item)	Off	Chemical Landfill
691-1	BNQN Clarification Cake	30,000 lb.	Hazardous Semi-Solid (corrosive)	Off	Chemical Landfill
691-2	Quinaldine Tar	5,000 lb.	Solid	Off	Chemical Landfill
691-3	MNB Still Bottom	9,000 lb.	Hazardous Liquid (listed)	On	Pond Neutra- lization & settling
691-4	Chinoline Clarifi- cation Cake	40,000 lb.	Semi-Solid	Off	Chemical Landfill
691-5	Chinoline Clarifi- cation Cake	20,000 lb.	Semi-Solid	Off	Chemical Landfill
691-6	MNB Residue	1,000 lb.	Semi-Solid	Off	Chemical Landfill
692-1	Auramine Tar Cake	100,000 lb.	Semi-Solid	Off	Chemical Landfill
692-2	BYFW Tar Cake	180,000 lb.	Semi-Solid	Off	Chemical Landfill
692-3	Auramine Clarifi- cation Cake	600 lb.	Semi-Solid	On	Recycle
692-4	BYFW Clarifica- tion Cake	2,000 lb.	Semi-Solid	On	Recycle

*Being analyzed for selection of disposal method and site

DESCRIPTION OF WASTES CURRENTLY PRODUCED (Con't)

Assigned Number of Waste	Name of Waste	Quantity Generated (per year)	Description	On/Off Site Disposal	Method of Disposal
692-5	Red BG Distillate	40,000 lb.	Hazardous Liquid (ignitable)	Off	Incinerate
693-2	Rhodamine Clarifi- cation Cake	6,000 lb.	Semi-Solid	On and Off	Recycle most, rest to Chemical Landfill
693-4	Rhodamine Effluent Sludge	15,000 lb.	Semi-Solid	Off	Chemical Landfill
694-1	BNSA Naphthalene Cake	10,000 lb.	Hazardous Semi-Solid (corrosive)	On	Recycle
694-2	BNSA Clarification Cake	10,000 lb.	Hazardous Semi-Solid (corrosive)	Off	Chemical Landfill
694-3	Coumarin Clarifi- cation Cakes	36,000 lb.	Hazardous Semi-Solid (corrosive)	Off	Chemical Landfill
694-6	MIBC from Brighten- ers	10,000 lb.	Hazardous Liquid (ignitable)	On	Recycle
696-1	DMB Tar	4,000 lb.	Solid	Off	Chemical Landfill
696-2	UV 24 (MCB) Still Bottoms	20,000 lb.	Hazardous Liquid (listed)	On	Pond Neut- rization Settling
696-3	MAQ Clarification Cake	600 lb.	Hazardous Semi-Solid (ignitable)	Off	Chemical Landfill
696-5	CIP Offgrade Product	Variable (0 - 3,000 lb.)	Semi-Solid	Off	Chemical Landfill
696-6	CAQ Clarification Cake	1,200 lb.	Hazardous Semi-Solid (ignitable)	Off	Chemical Landfill
697-1	NDPA Still Bottom	4,000 lb.	Solid	Off	Chemical Landfill

RECEIVED

FEB 17 1977

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

FEB 17 1981

U.S. ENVIRONMENTAL PROTECTION AGENCY

The Marietta Plant has three past landfills as shown on our map in Form 3 application for interim status (RCRA). There are no written records on the contents of any of these landfills. Quantities are unknown. Based on verbal discussions with several past and present employees including engineers, chemists, foremen and others, the landfills contain the following items:

1 - Landfill near old plant, southeast corner of property (active 1915 - mid 1950's)

Triphenylmethane dye residues (possible).
Lead cakes from lead oxide oxidations (possible).
DDT residues (likely).
Gypsum insulation residues from Remington Rand.
Trash.

2 - Landfill under roadway between effluent pond and manufacturing building (active mid 1920's - mid 1940's):

Logwood chips.
Trash.
Triphenylmethane dye residues (likely).
Lead cakes from lead oxide oxidations (likely).

3 - Large landfill closed in April 1979, northeast corner of property (active mid 1940's to 1979):

All waste items listed in B. except Liquid Effluent and 597-1, 597-6, 691-3, 696-2, 597-2, 597-7, 694-6.

Some amounts of all solid products made in this plant of the last 15 years - due to dumping offgrade products and trash contamination.

Trash of all kinds including kettles, tanks, trucks, wood, etc.

Lead cakes from oxidations (likely).

Still bottoms from 2-aminotriazole, meta-amino phenol, and toluene diisocyanate.

Tars containing benzidine sulfate and beta-naphthylamine.

Benzidine disulfonic acid sulfone residues.

Dimethoxybenzoic acid clarification cake.

Copper sulfide cake.

2,4-Dinitrochlorobenzene and reduction product residues.

2,4-Diaminoanisoole clarification cake.

Other materials not known to or recalled by anyone interviewed may be present. The active dates are estimated by our engineering department. Cyanamid purchased this property in 1946.

INDUSTRIAL IMPOUNDMENT HYDROGEOLOGIC ASSESSMENT

Entity Name American Cyanamid - Org. Chem. Div
Address 1405 GREEN ST. Marietta OH 45750
County Washington Twp. Marietta Sec. 24
Lat. 40° 25' 40" N. Long. 81° 25' 25" W.

Impoundment - Number - 2 treatment ponds in series 1 fire pond
Size - primary - 2 acre, secondary - 4 acre freshwater > 2 ac.
Liner Type - none

Volumes

Influent - NA
Effluent - 345,000 gpd (1978 av.)

Geology

Soil layer or unconsolidated deposits.

Description: very thin to none. Red silty clay if any.

Bedrock.

Description: ~~2nd~~ Secondary treatment pond coreings indicate sandstone bottom. Depth unknown but probably 20' to 50' feet thick (from Permian)

Depth to water table 20'

Groundwater pollution potential

1
minimal

2

3
moderate

④

5
severe

Health Hazard - no wells nearby but water table shallow enough to cause concern.

Sources of info - Company blueprints + direct conversation, Soil Survey, Ohio Div. MAP